

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	187	(Suzuki near2 Takaharu).in.	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/20 16:15
L2	95	(Adachi near2 Shuhei).in.	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/20 16:15
L3	279	(L1 or L2)	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/20 16:19
L4	2	"20060219337"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/20 16:21
L5	2	DE "19517275"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/20 16:29
L6	4	US "6267558"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/20 16:29
L7	2	US "4287740"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/20 16:29

L8	2	JP "61170551"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/20 16:29
L11	10	L5 or L6 or L7 or L8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/20 16:30
L12	21	titanium same peen\$4 same spring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/20 16:44
L13	2208	Yamaha Hatsudoki Kabushiki Kaisha.as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/20 17:57
L14	333	148/670,671.ccls. and titanium	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/20 17:57
L15	47	72/40,53.ccls. and titanium and (shot or laser or ultrasound or ultrasonic) near10 (peen\$4 or blast\$4 or treat\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/20 17:58
L16	167	("148".clas. or "72". clas.) and (shot or laser or needle or ultrasound or ultrasonic) near10 (peen\$4) and (titanium or ti) and (compressive or residual) near10 stress	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/20 17:58
L17	31	(M29-D or M29-F02) and (shot or laser or ultrasound or ultrasonic or needle) near3 peen\$4	DERWENT	ADJ	ON	2008/07/20 17:58

L18	19	("1947927"   "2055220"   "2351726"   "3073022"   "3188776"   "3357458"   "3410124").PN. OR ("4287740").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/20 17:58
L19	59975	Yamaha.as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/20 17:58
L20	4	L19 and titanium and spring and peen\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/20 17:58
L21	737	B24C001/10.ipc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/20 18:39
L22	2158	C22F001/18.ipc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/20 18:39
L23	3036	C22C014/00.ipc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/20 18:39
L24	40	(L21 or L22 or L23) and titanium and peen \$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/20 18:39
S1	2	"20060219337"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 09:52
S2	1	"20060219337"	US-PGPUB	ADJ	ON	2008/01/03 10:03

S3	10496	Suzuki-T.in.	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 10:52
S4	39663	Adachi-S.in.	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 10:52
S5	57503	Yamaha.as.	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 10:53
S6	187	Suzuki-Takaharu.in.	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 10:54
S7	93	Adachi-Shuhei.in.	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 10:54
S8	2050	Yamaha Hatsudoki Kabushiki Kaisha.as.	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 10:54
S9	2306	S6 or S7 or S8	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 10:56
S10	21	S9 and titanium	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 10:56

S11	57503	Yamaha.as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 11:00
S12	310	S5 and titanium	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 11:00
S13	3	S12 and (shot or laser) near3 peen\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 11:01
S14	6	S12 and compressive	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 11:01
S15	7	S13 or S14	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 11:01
S16	650	148/421.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/03 11:56
S17	33	S16 and (shot or laser or ultrasound or ultrasonic) near10 (peen\$4 or blast\$4 or treat\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/03 11:57
S18	1	"6267558".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/03 12:08
S19	1	"4287740".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/03 12:08
S20	359	148/670,671.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/03 13:40
S21	330	148/670,671.ccls. and titanium	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/03 13:40
S22	29	148/670,671.ccls. and titanium and (shot or laser or ultrasound or ultrasonic) near10 (peen\$4 or blast\$4 or treat\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/03 13:41

S23	47	72/40,53.ccls. and titanium and (shot or laser or ultrasound or ultrasonic) near10 (peen\$4 or blast\$4 or treat\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/03 13:41
S24	75	S22 or S23	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/03 13:41
S25	152018	"148".clas. or "72". clas.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/03 14:18
S26	56683	"148".clas. or "72". clas. and (shot or laser or needle or ultrasound or ultrasonic) near5 (peen \$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/03 14:19
S27	798	("148".clas. or "72". clas.) and (shot or laser or needle or ultrasound or ultrasonic) near5 (peen \$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/03 14:20
S28	299	("148".clas. or "72". clas.) and (shot or laser or needle or ultrasound or ultrasonic) near5 (peen \$4) and (titanium or ti)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/03 14:20
S29	160	("148".clas. or "72". clas.) and (shot or laser or needle or ultrasound or ultrasonic) near10 (peen\$4) and (titanium or ti) and (compressive or residual) near10 stress	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/03 14:21
S30	129	S29 not S24 not S17 not S15 not S10	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/03 14:22
S31	101	("148".clas. or "72". clas.) and (shot or laser or needle or ultrasound or ultrasonic) near10 (peen\$4) and (titanium) and (compressive or residual) near10 stress	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/03 14:25

S32	1488	B24C001/10.ipc.	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 15:12
S33	4579	C22F001/18.ipc.	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 15:12
S34	6271	C22C014/00.ipc.	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 15:12
S35	57503	Yamaha.as.	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 15:13
S36	187	Suzuki-Takaharu.in.	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 15:13
S37	93	Adachi-Shuhei.in.	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 15:13
S38	2050	Yamaha Hatsudoki Kabushiki Kaisha.as.	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 15:13
S39	2306	S36 or S37 or S38	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 15:13

S40	21	S39 and titanium	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 15:13
S41	310	S35 and titanium	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 15:13
S42	3	S41 and (shot or laser) near3 peen\$4	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 15:13
S43	6	S41 and compressive	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 15:13
S44	7	S42 or S43	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 15:13
S45	650	148/421.ccls.	US_PGPUB; USPAT; USOCR	ADJ	ON	2008/01/03 15:13
S46	33	S45 and (shot or laser or ultrasound or ultrasonic) near10 (peen\$4 or blast\$4 or treat\$4)	US_PGPUB; USPAT; USOCR	ADJ	ON	2008/01/03 15:13
S47	29	148/670,671.ccls. and titanium and (shot or laser or ultrasound or ultrasonic) near10 (peen\$4 or blast\$4 or treat\$4)	US_PGPUB; USPAT; USOCR	ADJ	ON	2008/01/03 15:13
S48	47	72/40,53.ccls. and titanium and (shot or laser or ultrasound or ultrasonic) near10 (peen\$4 or blast\$4 or treat\$4)	US_PGPUB; USPAT; USOCR	ADJ	ON	2008/01/03 15:13
S49	75	S47 or S48	US_PGPUB; USPAT; USOCR	ADJ	ON	2008/01/03 15:13

S50	160	("148".clas. or "72". clas.) and (shot or laser or needle or ultrasound or ultrasonic) near10 (peen\$4) and (titanium or ti) and (compressive or residual) near10 stress	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/03 15:13
S51	129	S50 not S49 not S46 not S44 not S40	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/03 15:13
S52	101	("148".clas. or "72". clas.) and (shot or laser or needle or ultrasound or ultrasonic) near10 (peen\$4) and (titanium) and (compressive or residual) near10 stress	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/03 15:13
S53	249	S40 or S42 or S43 or S44 or S46 or S47 or S48 or S50 or S51 or S52	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 15:15
S54	10935	S32 or S33 or S34	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 15:15
S55	733	S54 and (shot or laser or ultrasound or ultrasonic or needle) near5 peen\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 15:16
S56	222	S54 and (shot or laser or ultrasound or ultrasonic or needle) near5 peen\$4 and (compressive or residual) near5 stress	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 15:16
S57	14	S54 and (shot or laser or ultrasound or ultrasonic or needle) near5 peen\$4 and (compressive or residual) near5 stress and titanium	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 15:16

S58	14	S54 and (shot or laser or ultrasound or ultrasonic or needle) near10 peen\$4 and (compressive or residual) near10 stress and titanium	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 15:17
S59	7	S54 and (shot or laser or ultrasound or ultrasonic or needle) near10 peen\$4 and (compressive or residual) near10 stress and (ti and titanium)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 15:17
S60	19	S54 and (shot or laser or ultrasound or ultrasonic or needle) near10 peen\$4 and (compressive or residual) near10 stress and (ti or titanium)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 15:17
S61	60	S54 and (shot or laser or ultrasound or ultrasonic or needle) near10 peen\$4 and (ti or titanium)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 15:22
S62	45	S54 and (shot or laser or ultrasound or ultrasonic or needle) near10 peen\$4 and (ti or titanium) not S53	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 15:23
S63	35	S54 and (shot or laser or ultrasound or ultrasonic or needle) near10 peen\$4 and (ti or titanium) not S53 not S60	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 15:23
S64	2047	M29-D or M29-F02	DERWENT	ADJ	ON	2008/01/03 15:26
S65	1999	M29-D or M29-F02 and (shot or laser or ultrasound or ultrasonic or needle) near3 peen\$4	DERWENT	ADJ	ON	2008/01/03 15:27
S66	28	(M29-D or M29-F02) and (shot or laser or ultrasound or ultrasonic or needle) near3 peen\$4	DERWENT	ADJ	ON	2008/01/03 15:27

S67	62	S63 or S66	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 15:28
S68	72	S62 or S66	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 15:29
S69	71	S62 or S66 not S53 not S60	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 15:29
S70	19	("1947927"   "2055220"   "2351726"   "3073022"   "3188776"   "3357458"   "3410124").PN. OR ("4287740").URPN.	US_PGPUB; USPAT; USOCR	ADJ	ON	2008/01/03 16:00
S71	4	"3817796".pn.	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 16:03
S72	2	"6067701".pn.	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 16:04
S73	2	"5704239".pn.	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 16:04

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